101.5 - Gases in Ferrous Metals (rod form)

These SRMs are for determining oxygen and nitrogen by vacuum fusion, inert gas fusion, and neutron activation methods.

For further information see SP 260-14

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

			Elemental Composition (mass fraction, in mg/kg)		
SRM	**Description**	**Unit of Issue**	**Hydrogen**	**Nitrogen**	**Oxygen**
1089†	Steels, Set (consists of SRMs 1095, 1096, 1097, 1098 and 1099)	5 rods	(5 levels)	2 levels (3 levels)	5 levels
1090	Oxygen in Ingot Iron	rod		(60)	491
1091a	Oxygen in Stainless Steel (AISI 431)	rod		(876)	132.2
1093	Oxygen in Valve Steel	rod			60
1094	Oxygen in Maraging Steel	rod		(71)	4.5
1754	Low-Alloy Steel, AISI 4320	rod		81	24
1755	Nitrogen in Low Alloy Steel	disk		118.4	

† These SRMs are sold only as a set designated SRM 1089.

- Certified values are normal font
- Reference values are italicized
- Values in parentheses are for information only